

BRUHATH BENGALURU MAHANAGARA PALIKE

of work: Development of parks at Manjunathanagara Ramaiah layout and Soap factory
Layout in Dasarahalli Zone ward No.14
Draft Tender Schedule

	Description	Unit	Quantity	Rate
1	KSRB 2-1.1 : Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No KBS 2.1(a) / 2.3.1 Ordinary soil	Cum	533.6	253.94
2	KSRB M300-55 : Construction of sub-grade and earthen shoulders with approved material Gravel/Murum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No 300-2 complete as per specifications, including cost of earth, watering charges & compaction by vibratory roller to 97% of modified proctors density) MORTH Specification No 305	Cum	333.5	369.94
3	KSRB 2-2.1 : Earthwork excavation by manual means in ordinary soil for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. No KBS 2.1(a) / 2.3.5	Cum	354.47	316.94
4	KSRB 2.10 : Providing sand cement bed with 5% cement all leads for all materials and lift of 1.5 m. machine mixed, laid in layers of 15cms. thick and well compacted for foundation, including curing cost of materials labour and HOM complete as per specifications. specification. No KBS 2.10.2	Cum	80.67	3177.88
5	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No KBS 4.1, 4.2	Cum	72.38	5505.64
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. walls & bottom thickness 15cm For Building work	Cum	13.68	7070.2
7	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregates @ 0.47cum, with super plasticisers @ 3 liters conforming to IS 9103-1999 reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns pillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No KBS 4.1, 4.6	Cum	24.84	6160.72
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2	Sqm	165.6	273.48
9	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No KBS 4.6.3 TMT bars Fe 500	Tonne	3.93	82687.42
10	Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made out of M25 with OPC cement @ 340 Kgs per Cum, with 20mm and down size graded granite metal coarse aggregates @ 0.70 Cum and fine aggregated @ 0.74 Cum with super plasticisers, machine mixed, including providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost & reinforcement charges, including finishing as required with cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by Engineer in charge of the work.	No	34.2	1724

Description		Unit	Quantity	Rate
12	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	103.57	4871.76
13	KSRB 15.1.3 - do - Providing ruled pointing 20 mm deep to coursed stone masonry with cement mortar 1:3 after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. KSRB 4.1.6 : Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and specifications. Specification No KBS 4.1, 4.2	Sqm	197.28	150.52
14	KSRB 14.6-1 : Providing and laying heavy duty cobble stones interlock pavers 60mm thick, using cement and coarse sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No KBS	Cum	15.65	5747.32
15	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	Sqm	199.8	1116.18
16	KSRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	No	1085	432.48
17	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, gridding the edge to half/full round wherever required, labour, curing complete as per specification.	Sqm	170.94	84.8
18	KSRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification. No KBS 2.10.2	Sqm	208.56	1305.92
19	Fabricating, providing and erecting in poiston of Hot dip galvanised M S Ornamental security Grill using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal center support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for square bars of full height and at 8cms C / C for bottom rods providg ornamental C I Designers at the botom and C I arrows inthe midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drilling holes. the work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the work as per specification and drawings.	Cum	20.2	2183.6
20	Providing, fabricating and fixing Special Multiplay Systems consists of FRP moulded with Aluminium chequered Platforms of size 5'X5' with 4 Support pillar made out of 75mm dia G.I "B" Pipes fixed in cement concrete 1:2:4. The platforms are to be covered with tubular Slide & Mini Aquva tunnel slide made up of high quality FRP the slide is to be fixed at a height of 11' and runs runs for a length of not less than 20' and the slide should be supported at regular intervals of 6' using M.S. pipes support and the platform ladder with 25mm dia MS pipes with suitable hand rails and steps made out of G I sheet with tred 4" with powder coated finish, fine quality FRP with suitable design and as per drawing Moulded FRP slides are non-corrossive, fade free,tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge ofthe with all lead and lift, loading and unloading and any incidental chatges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint i ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.	Kg	9360	189.74
		Set	1	595000

Description		Unit	Quantity	Rate
21	Providing, fabricating and fixing of spiral climber of height not less than 10' made out of 65mm dia MS pipe with Aluminium chequered plate platform of size 3'x3' with legs made out of 75mm dia G.I Pipes fixed cement concrete 1:2:4. The platforms are to be covered with pyramid shaped FRP roof. The platform is to be fitted with Single Lane slide made up of high quality FRP the slide is to be fixed at a height of 9' and runs for a length of not less than 20' the slide should be supported at regular intervals of 4' using M.S. pipes support powder coated, fine quality FRP with suitable design and as per drawing platforms should be placed at approximately 9' from ground level. Moulded FRP slides are non-corrosive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.	Set	1	180000
22	Providing, fabricating and fixing play equipments consisting of the platform with 65mm dia MS pipe & Aluminium chequered plates of size 3'x3' fixed at 7' height from ground level with 4 legs made out of 75 mm dia G.I Pipes fixed cement concrete 1:2:4. The platforms are to be covered with pyramid shaped FRP roof, the slide should be supported at regular intervals of 4' using M>S. pipes support powder coated, fine quality FRP with suitable design and as per drawing. The play equipment is to be fitted with Double seated swing for kids and Aqua bowl slide made up of high quality FRP the slide is to fixed at a height of 7' and runs for a length of not less than 12'. Moulded FRP slides are non-corrosive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) The chain of the swing are rubber coated with stainless steel sheets and as per the drawing and specification and direction of the Engineer in charge of the work.	Set	1	220000
23	Providing, fabricating and fixing Special play equipments consisting of the platform with 65mm dia MS pipe & Aluminium chequered plates of size 3'x3' fixed at 5' height from ground level with 4 legs made out of 65mm dia G.I. "B" Pipes fixed cement concrete 1:2:4. The platforms are to be fitted with Monkey climber for kids and Roller slide (Moulded plastic rollers) fixed at a height of 5' and runs for a length of not less than 12'. the slide should be supported at regular intervals of 6' using M.S. pipes support powder coated, fine quality FRP with suitable design and as per drawing. Moulded FRP slides are non-corrosive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.	Set	1	180000
24	Providing, fabricating and fixing children play equipments consisting of the platform with 65mm dia MS pipe & Aluminium chequered plates of size 3'x3' fixed at 3' height from ground level with 4 legs made out of 75mm dia G.I. Pipes fixed cement concrete 1:2:4. The platforms are to be covered with pyramid shaped FRP roof, fine quality FRP with suitable design and as per drawing. The platform is to be fitted with Double twin wave slide for kids made up of high quality FRP material and also high quality plastic rope climber is to fixed at a height of 3' and runs for a length of not less than 5'. Moulded FRP slides are non-corrosive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.	Set	1	145000

Description		Unit	Quantity	Rate
	Supplying fabricating and fixing Multipay Special Slider Systems consisting of the platform with 25mm dia MS pipe with Aluminium chequered plates of size 3'x3' & 7'x7' from ground level with 4legs made out of 65mm dia G.I Pipes fixed cement concrete 1:2:4. The platforms is to be fitted with FRP Wave slide, spiral slide and standard slide, with vertical ladder on one slide each with G.I sheet steps of tread 4" length of not less than 12". The platform are to be covered with pyramid shaped FRP roof, the slide should be supported at regular intervals of 4' and runs for a support powder coated, fine quality FRP with suitable design and as per drawing. Moulded FRP slides are non-corrosive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.	Set	1	520000
26	Providing and fixing children play bridge with M.S' perforated tunnel, wave bridge, Arch bridge & hanging bridge made out of MS pipes and chequered plates uns for a height 11' to 5'. The work should be executed as per the standard specification and direction of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (all swings chains are rubber coated & all 'S' hooks are stainless steel) and as per the drawing and specification and direction of the Engineer in charge of the work.	Set	1	120000
27	Supply & fixing of Pull Down Challenger (Shoulder Press) (Area - 4'6" X 3' Height 7') : All tubular steel of 2.5mm thickness are galvanized and zinc dipped. All welded joints are scalloped as necessary and welded. All welds are dressed off removing all sharp edges and burrs. Rubber: High quality grip rubber is used for the handles. Bearings: Maintenance - free self greased SKF ball bearings. Scope of delivery : 1 completely pre assembled equipments modules. This equipment is powder coated	No	3	248000
28	Supply & fixing of Seated Chest Press (Area - 4'6" X 3' Height 7') : The chest press is heavy guage steel made up of 100mm NB MS pipes. The sub structure consists of 25 mm NB MS pipes and heavy duty bushes pivoted to one end and moveable up down on the other. The seats are made up of pressed FRP, self weighted machine built to support vigorous workout for up to 2 people. The Chest press supports and promotes strength to the chest, arms, shoulders and back. The exercise can be done in repetitions by increasing the time gradually which help in building stamina. Maintenance - free self greased SKF ball bearings. The whole equipment is powder coated	No	3	258000
29	Supply & fixing of Elliptical (Cross Trainer) (Area - 5' X 3', Height - 5'6") : All tubular steel of 2.5 mm thickness are galvanized and zinc dipped. All welded joints are dressed off removing all sharp edges and burrs. All metal parts are powder coated using marpol powder to the thickness of 80-120microns. Rubber: High quality grip rubber is used for the handles. Bearings Maintenance-free self greased SKF ball bearings Scope of delivery: 1 completely pre-assembled equipment modules. This equipment is powder coated.	No	3.0000	148000.0000
30	Supply & fixing of Air walker (moon walker) area-4' X 3' height 4') : This equipment is made up of 100mm NB heavy guage pipes .The footsteps are made up of Alunminium castings. This helps in strengthening and toning the legs. Experiment with various speeds and different levels of intensity can be done maintenance- free self greased SKF ball bearings. This Equipment is powder coated.	No	4.0000	178000.0000
31	Supply & fixing of Doublbe health walker (Hand Puller) (Area- 5'6"x3'6" Height -5'6") : This equipment is made up of Central 100mm pillars. The first steps are made up of Aluminium castings. Two people can exercise on the equipment in a back and forth motion. Experiments with various speeds and different levels of intensity can be done. It gives cardiovascular benefits promotes strengthening the biceps, hips and lower back. Maintenance-free self greased SKF ball bearings. This Equipment is powder coated	No	4.0000	258000.0000
32	Supply & fixing of Bicycle (Exercise Cycle) (Area- 4'x3' Height -4') : This is a stationary cycle made up of central pillar 100m pipes. The seat is made up of FRP. This equipment gives the benefits of cycling and improves blood flow to the legs. Maintenance free self-greased SKF ball bearings. The whole equipment is powder coated.	No	3.0000	140000.0000
33	Supply & fixing of Standing Rotation (Area- 6'x3' Height -4'6") : Providing and fixing Standing Rotation made upof 100mm NBMS pipe the sub structure consists of 32mm NBMS pipes and heavy duty self greased SKF bearing and bushes provided to ensure smooth plate rotation, the standing plates are made up of pressed sheet metal of heavy gauge it benches in stretching the internal and external oblique's, and adding emphasis on the abdominals and extensor muscles of the spine , the above equipment is duly powder coated	No	3.0000	148000.0000

Description			
	Unit	Quantity	Rate
Supply & fixing of Rope Puller: The rope puller made up of 100mm NBMS pipe. The substructure consists of 32mm NBMS pipes and heavy duty pulleys provided to ensure smooth rope transition. These are primary indicator of upper body strength. The exercises phase more emphasis on the trape muscles of the back biceps. Maintenance free self greased SKF ball bearings. the above equipment is duly powder coated	No	3.0000	102000.0000
Supply & fixing of Sitting Rotation (Area- 6'x3' Height -4'6") : This equipment is made up of 100mm NBMS pipe the sub structure consists of 32mm NBMS pipes and heavy duty self greased SKF bearing and bushes provided to ensure smooth plate rotation, the standing plates are made up of pressed sheet metal of heavy gauge it benches in stretching the internal and external oblique's and adding emphasis on the abdominals and extensor muscles of the spine , the above equipment is duly powder coated	No	3.0000	134000.0000
Supply & fixing of Hip Swivel (Area- 3'x3' Height -4'6") : This equipment is made up of 100mm NB central pillars. The footsteps are made up of Aluminium castings. This exercises a swinging motion on slide and thereby strengthens the ower abdomen , hips and thighs. This improves both cardiovascular fitness and flexibility. The whole equipment is duly powder coated	No	3.0000	198000.0000
Providing and fixing plain Sadarahalli granite benches of 4feet length and 1 feet width with side arm supports of 18" height with all lead and lift and loading and unloading as per the direction of in charge of work including all taxes	No	30.0000	17000.0000

Executive Engineer
Project Division, Dasarahalli Zone.

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ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು () ರವರು
ದೃಢೀಕರಿಸಿಕೊಳ್ಳುವ ಪರವಾಗಿ ಒಳಪಡಿಸಿ ದಿ.ಬ.ಎಸ್
ಅನುಮೋದಿಸಿದೆ.
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ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿರು (ದಾಖಲೆಗಳು)